

WHAT IS CLAIMED IS

1. A bit error measurement apparatus for measuring a bit error of a transmission network through which transmission of a packet having digital data to be transmitted is executed, comprising:

a packet extraction means for extracting an equivalence packet whose all of said digital data should have the same values from among said packets transmitted through said transmission network;

a data comparison means for comparing said digital data of said equivalence packet to comparison data that should have the value of said digital data of said equivalence packet; and

an error judgment means for judging the data as an error when result of said comparison is disagreement.

2. A bit error measurement apparatus according to claim 1, wherein said comparison data is either 0 or 1.

3. A bit error measurement method for measuring a bit error of a transmission network through which transmission of a packet having digital data to be transmitted is executed, comprising:

a packet extraction step for extracting an equivalence packet whose all of said digital data should have the same values from among said packets transmitted through said transmission network;

a data comparison step for comparing said digital data of said equivalence packet to comparison data that should have the value of said digital data of said equivalence packet; and

an error judgment step for judging the data as an error when result of said comparison is disagreement.

4. A computer-readable medium having a program of instructions for execution by the computer to perform a bit error measurement process for measuring a bit error of a transmission network through which transmission of a packet having digital data to be transmitted is executed, comprising:

a packet extraction processing for extracting an equivalence packet whose all of said digital data should have the same values from among said packets transmitted through said transmission network;

a data comparison processing for comparing said digital data of said equivalence packet to comparison data that should have the value of said digital data of said equivalence packet; and

an error judgment processing for judging the data as an error when result of said comparison is disagreement.

5. A bit error measurement apparatus for measuring a bit error of a transmission network through which transmission of a packet with digital data to be transmitted is executed, comprising:

a packet extraction means for extracting a packet for measurement to measure a bit error from among said packets transmitted through said transmission network;

a data comparison means for comparing said digital data of said packet for measurement to comparison data that should have the value of said digital data of said packet for measurement; and

an error judgment means for judging the data as an error when result of

said comparison is disagreement.

6. A bit error measurement apparatus according to claim 5, wherein said comparison data is a pseudo-random signal.

7. A bit error measurement method for measuring a bit error of a transmission network through which transmission of a packet with digital data to be transmitted is executed, comprising:

a packet extraction step for extracting a packet for measurement to measure a bit error from among said packets transmitted through said transmission network;

a data comparison step for comparing said digital data of said packet for measurement to comparison data that should have the value of said digital data of said packet for measurement; and

an error judgment step for judging the data as an error when result of said comparison is disagreement.

8. A computer-readable medium having a program of instructions for execution by the computer to perform a bit error measurement process for measuring a bit error of a transmission network through which transmission of a packet having digital data to be transmitted is executed, comprising:

a packet extraction processing for extracting a packet for measurement to measure a bit error from among said packets transmitted through said transmission network;

a data comparison processing for comparing said digital data of said packet for measurement to comparison data that should have the value of said

an error judgment processing for judging the data as an error when result of said comparison is disagreement.